



Card Type Broadband Current Clamp

CCM 035300K

Features

- > Undistorted waveform, physical isolation from current carrying conductors
- > Supports the requirements for AC signal current measurement from 10 Hz to 300 kHz
- > Supports the requirements for time-domain pulse current measurement with a rise time above 1.2 μ s

Introduction

CCM 035300K is a card type broadband current clamp designed for measuring AC currents from 10 Hz to 300 kHz as well as time-domain pulse currents. It transfers AC or pulse current signals to recording equipment as voltage signals through electromagnetic coupling, while providing excellent waveform fidelity and galvanic isolation from the current-carrying conductor.

The CCM 035300K meets the measurement requirements specified by various standards for AC signals up to 300 kHz and transient pulse signals with rise times greater than 1.2 μ s. It is widely used in EMC conducted susceptibility (immunity) testing.

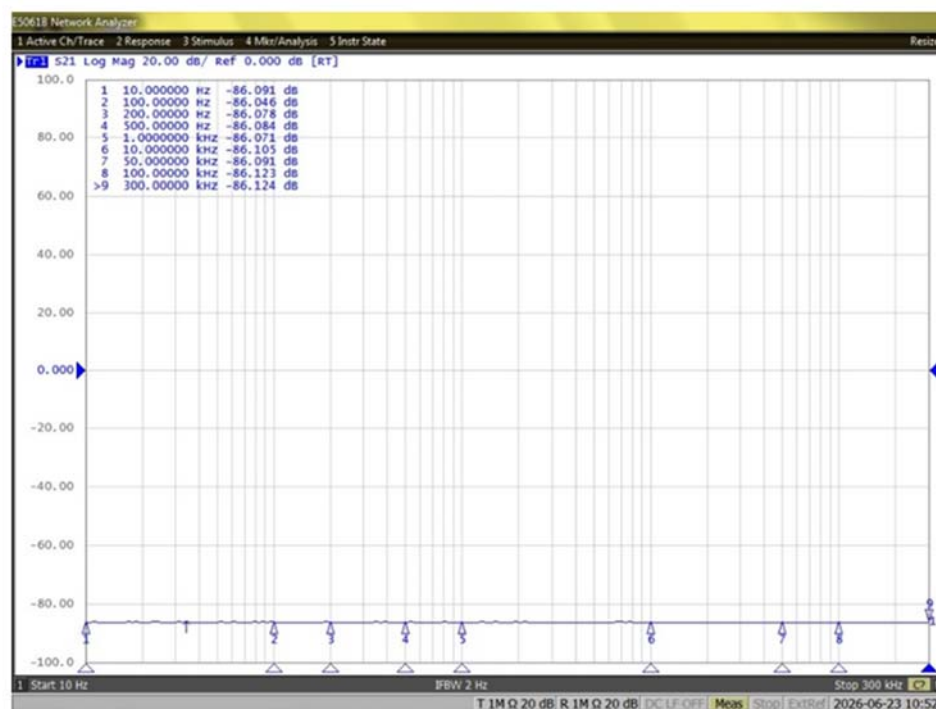
Application Areas



Technical Parameters

Sensitivity*	0.005 V/A
Output Impedance	50 Ω
Max. Peak Current	20,000 A
Max. Continuous Current	450 A
Rise Time	1.2 μ s
A·s Integral	5.2 A·s
Lower Limit Frequency (-3 dB)	10 Hz
Upper Limit Frequency (-3 dB)	300 kHz
Inner Diameter	40 mm
Outer Diameter	127 mm
Thickness	40 mm
Interface Type	BNC type
Operation Temperature	0°C ~ 65°C
Weight	Approx. 3 kg
*Transfer Impedance: 0.0025 V/A @ 50 Ω	

s21 Curve



CCM 035300K Card Type Broadband Current Clamp s21 curve

Explanation: When the load impedance is 50 Ω : Transfer impedance (dB)=s21+34dB Ω ;

When the load impedance is 1 M Ω : Transfer impedance (dB)=s21+34dB Ω +6dB;

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